

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **Fumihiko KIMURA et al.**

Art Unit: **2123**

Application Number: **10/590,704**

Examiner: **Carlos R. Ortiz Rodriguez**

Filed: **May 10, 2007**

Confirmation Number: **4387**

For: **DESIGN METHOD FOR INDUSTRIAL PRODUCT USING CLOTHOID CURVE,  
INDUSTRIAL PRODUCTS DESIGNED BY THE DESIGN METHOD, AND  
METHOD AND DEVICE FOR NUMERICAL CONTROL USING THE  
CLOTHOID CURVE**

Attorney Docket Number: **062916**  
Customer Number: **38834**

**SUBMISSION UNDER 37 C.F.R. § 1.114**

**Mail Stop: RCE**  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

November 9, 2009

Sir:

This paper is filed in response to the Office Action dated June 9, 2009 and the Advisory Action dated September 30, 2009.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims begin on page 3 of this paper.

Amendments to the Drawings begin on page 23 of this paper.

Remarks begin on page 24 of this paper.

An Appendix, including three sheets of amended drawing figures is attached following page 30 of this paper.